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SEQUENCE LISTING

<110> Max-Delbrück-Centrum für Molekulare Medizin

<120> Human and murine G-protein coupled EDG6 receptor
(endothelial differentiation gene) and use of same

<130> 101195-45

<140> U.S. 09/786,926

<141> 2001-03-09

<150> DE 198 43 240.2

<151> 1998-09-11

<150> DE 198 46 979.9

<151> 1998-10-13

<150> PCT/DE 99/02871

<151> 1999-09-10

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 384

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: human
G-protein-coupled EDG6 receptor

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Met Asn Ala Thr Gly Thr Pro Val Ala Pro Glu Ser Cys Gln Gln Leu
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Ala Ala Gly Gly His Ser Arg Leu Ile Val Leu His Tyr Asn His Ser
20 25 30

Gly Arg Leu Ala Gly Arg Gly Gly Pro Glu Asp Gly Gly Leu Gly Ala
35 40 45

Leu Arg Gly Leu Ser Val Ala Ala Ser Cys Leu Val Val Leu Glu Asn
50 55 60

Leu Leu Val Leu Ala Ala Ile Thr Ser His Met Arg Ser Arg Arg Trp

65		70			75		80								
Val	Tyr	Tyr	Cys	Leu	Val	Asn	Ile	Thr	Leu	Ser	Asp	Leu	Leu	Thr	Gly
				85					90					95	
Ala	Ala	Tyr	Leu	Ala	Asn	Val	Leu	Leu	Ser	Gly	Ala	Arg	Thr	Phe	Arg
			100					105					110		
Leu	Ala	Pro	Ala	Gln	Trp	Phe	Leu	Arg	Glu	Gly	Leu	Leu	Phe	Thr	Ala
		115					120					125			
Leu	Ala	Ala	Ser	Thr	Phe	Ser	Leu	Leu	Phe	Thr	Ala	Gly	Glu	Arg	Phe
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Ala	Thr	Met	Val	Arg	Pro	Val	Ala	Glu	Ser	Gly	Ala	Thr	Lys	Thr	Ser
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Arg	Val	Tyr	Gly	Phe	Ile	Gly	Leu	Cys	Trp	Leu	Leu	Ala	Ala	Leu	Leu
			165					170						175	
Gly	Met	Leu	Pro	Leu	Leu	Gly	Trp	Asn	Cys	Leu	Cys	Ala	Phe	Asp	Arg
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Cys	Ser	Ser	Leu	Leu	Pro	Leu	Tyr	Ser	Lys	Arg	Tyr	Ile	Leu	Phe	Cys
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Ala	Ile	Phe	Arg	Leu	Val	Gln	Ala	Ser	Gly	Gln	Lys	Ala	Pro	Arg	Pro
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Ala	Asp	Val	Phe	Gly	Ser	Asn	Leu	Trp	Ala	Gln	Glu	Tyr	Leu	Arg	Gly
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Ile	Ile	Tyr	Ser	Phe	Arg	Ser	Arg	Glu	Val	Cys	Arg	Ala	Val	Leu	Ser
305				310						315				320	
Phe	Leu	Cys	Cys	Gly	Cys	Leu	Arg	Leu	Gly	Met	Arg	Gly	Pro	Gly	Asp

325

330

335

Cys Leu Ala Arg Ala Val Glu Ala His Ser Gly Ala Ser Thr Thr Asp
 340 345 350

Ser Ser Leu Arg Pro Arg Asp Ser Phe Arg Gly Ser Arg Ser Leu Ser
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: human edg6
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 <223> Description of Artificial Sequence: murine edg6
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<210> 4
 <211> 386
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: murine
 G-protein-coupled EDG6 receptor

<400> 4
 Met Asn Ile Ser Thr Trp Ser Thr Leu Val Thr Pro Glu Ser Cys His
 1 5 10 15
 Arg Leu Ala Ala Ser Gly His Ser Leu Leu Ile Val Leu His Tyr Asn
 20 25 30

His Ser Gly Arg Leu Ala Ser Arg Gly Gly Ser Glu Asp Gly Gly Gly
 35 40 45
 Leu Gly Met Leu Arg Gly Pro Ser Val Ala Ala Gly Cys Leu Val Val
 50 55 60
 Leu Glu Asn Ala Met Val Leu Ala Ala Ile Ala Ile Tyr Met Arg Ser
 65 70 75 80
 Arg Arg Trp Val Tyr Tyr Cys Leu Leu Asn Ile Thr Leu Ser Asp Leu
 85 90 95
 Leu Thr Gly Leu Ala Tyr Val Val Asn Val Leu Leu Ser Gly Thr Arg
 100 105 110
 Thr Phe Gln Leu Ser Pro Val His Trp Phe Leu Arg Glu Gly Leu Leu
 115 120 125
 Phe Met Ala Leu Ala Ala Ser Thr Phe Ser Leu Leu Phe Thr Ala Gly
 130 135 140
 Glu Arg Phe Ala Thr Met Val Arg Val Ala Glu Ser Gly Ala Thr Lys
 145 150 155 160
 Thr Ser Arg Val Tyr Gly Cys Ile Gly Leu Cys Trp Leu Leu Ala Ala
 165 170 175
 Ile Leu Gly Leu Leu Pro Leu Leu Gly Trp Asn Cys Val Cys Ala Phe
 180 185 190
 Pro Arg Cys Ser Ser Leu Leu Pro Leu Tyr Ser Lys Gly Tyr Val Leu
 195 200 205
 Phe Cys Val Val Val Phe Ala Leu Ile Leu Val Ala Ile Leu Ser Leu
 210 215 220
 Tyr Gly Ala Ile Phe Arg Val Val Arg Ala Asn Gly Gln Lys Ser Pro
 225 230 235 240
 Arg Pro Pro Ala Arg Arg Lys Ser Arg Arg Leu Leu Asn Thr Val Leu
 245 250 255
 Met Ile Leu Val Ala Phe Val Val Cys Trp Gly Pro Leu Phe Gly Leu
 260 265 270
 Leu Leu Ala Asp Ile Phe Gly Ser Asn Val Trp Ala Gln Glu Tyr Leu
 275 280 285

Arg Gly Met Asp Trp Ile Leu Ala Leu Ala Val Phe Asn Ser Ala Ile
290 295 300

Asn Pro Leu Ile Tyr Ser Phe Arg Ser Arg Glu Val Gln Arg Ala Val
305 310 315 320

Leu Ala Phe Leu Cys Cys Gly Cys Leu Trp Leu Gly Leu Arg Gly Pro
325 330 335

Gly Asp Cys Leu Thr Arg Ile Thr Glu Ala His Ser Gly Ala Ser Thr
340 345 350

Thr Asp Ser Ser Leu Arg Pro Arg Asp Ser Phe Arg Thr Ser Arg Ser
355 360 365

Leu Ser Phe Arg Met Arg Glu Pro Leu Ser Ser Ile Ser Ser Val Arg
370 375 380

Ser Thr
385